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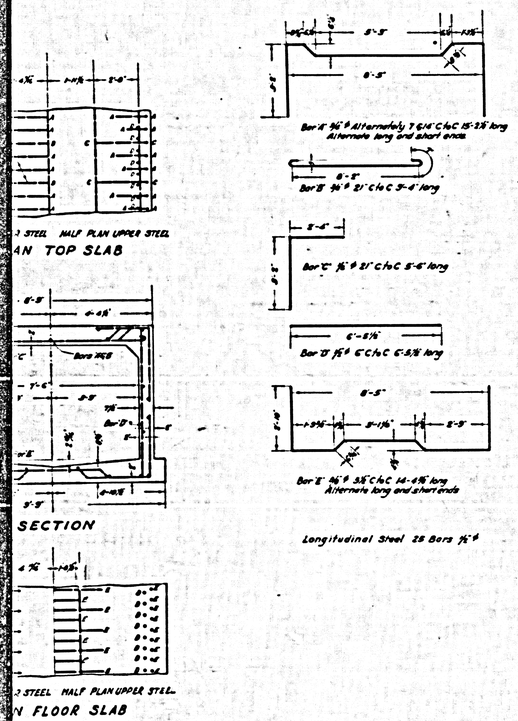
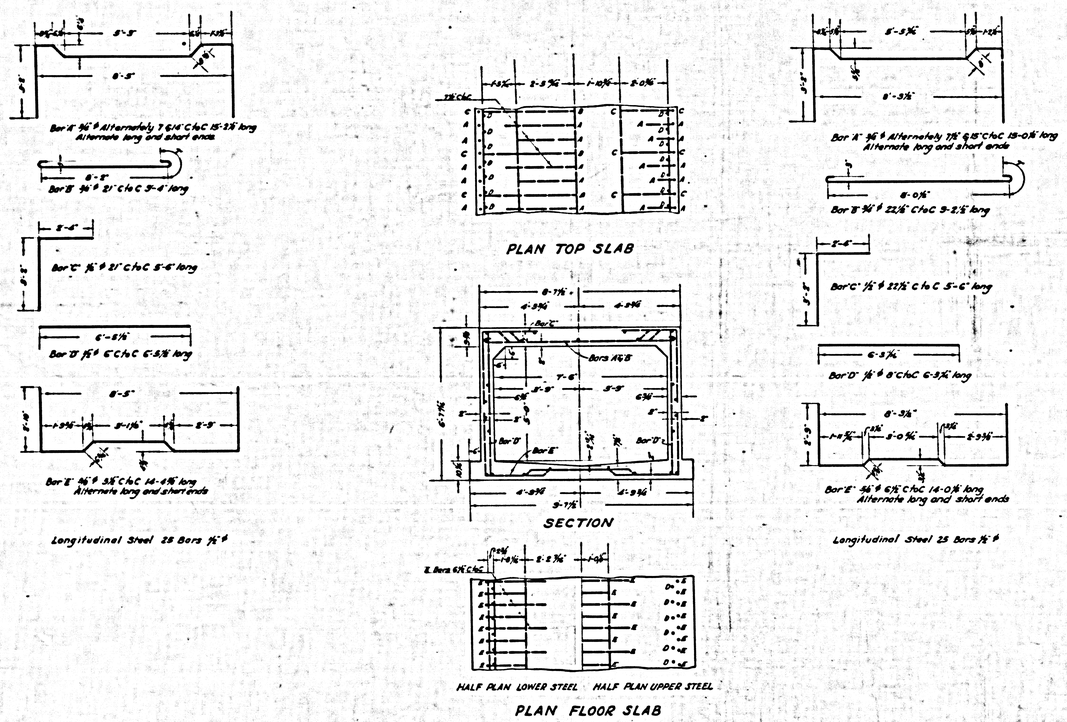


Total Length 14.00 Ft.
Class A-1 Concrete-0.8217 Cu Yds per ft.
Reinforcing Steel 106.5999 pounds per ft (on tangent)
Top Slab Cover 5" Total Load 1468 pounds per sq ft
Dimensions to Reinforcing Steel refer to Center Lines

NFORCED CONCRETE BOX 7'-6" x 5'-0"
SECTION "B"

STREET LINE STATION 9+87.05 TO STATION 10+01.05
SCALE: 1/2"=1'



PLAN TOP SLAB

PLAN FLOOR SLAB

Total Length 60.00 Ft.
Class A-1 Concrete-0.7402 Cu Yds per ft.
Reinforcing Steel 93.1125 pounds per ft (on tangent)
Top Slab Cover 3" Total Load 1246 pounds per Sq Ft.
Dimensions to Reinforcing Steel refer to Center Lines.

REINFORCED CONCRETE BOX 7'-6" x 5'-0"
SECTION "A"

RUSSELL STREET LINE STATION 2+86.26 TO STATION 3+46.26
SCALE: 1/2"=1'

CSB-1166-3
A1 OF A9

NOTES:

Elevations are in feet above U.S.G.S. or mean Sea Level Datum.

Stations of inlets and junctions refer to the intersections of the center lines of the inlets with the center line of the main drain.

Elevations of all inlets except catch basin inlets into box sections refer to the flow lines of the inlets produced on their gradients to the vertical plane thru the center line of the main drain. Elevations of catch basin inlets into box sections refer to the intersections of the flow lines of these inlets with the inside wall of the box section.

For details of all standard structures see Standard Plans.

All reinforced concrete structures shall be of Class "A-1" Concrete.

Weep holes 3/4" in diameter shall be placed in each sidewall and spaced not more than five feet each way.

RUSSELL STREET DRAINAGE SYSTEM

OF THE COUNTY OF LOS ANGELES, CALIFORNIA

DETAILS OF BOX SECTIONS AND SPECIAL STRUCTURES

SHEET 3 OF 3 SHEETS

SCALE AS SHOWN — DECEMBER 1935

ALFRED JONES — COUNTY SURVEYOR

RECOMMENDED [signature] CHIEF DEPUTY — APPROVED [signature] COUNTY SURVEYOR

REFERENCE		DESIGNED	J.H. Rice E.E. Mitchell	MAR 1935
	Revised October 1937	TRACED	V.L. Van Wagner	APRIL 1935
		CHECKED	R.L. Gregory E.E. Mitchell	APRIL 1935

3

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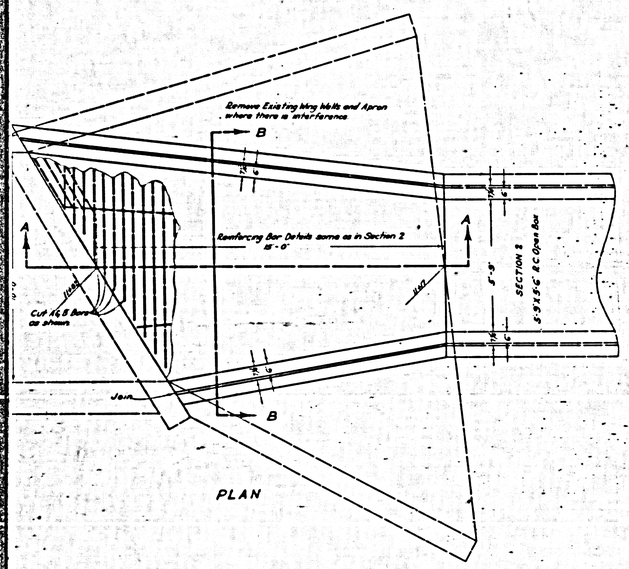
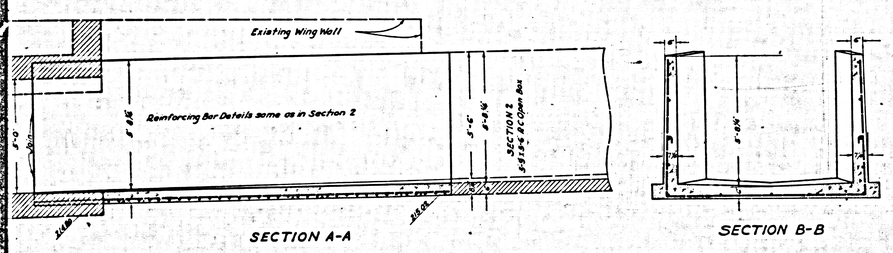
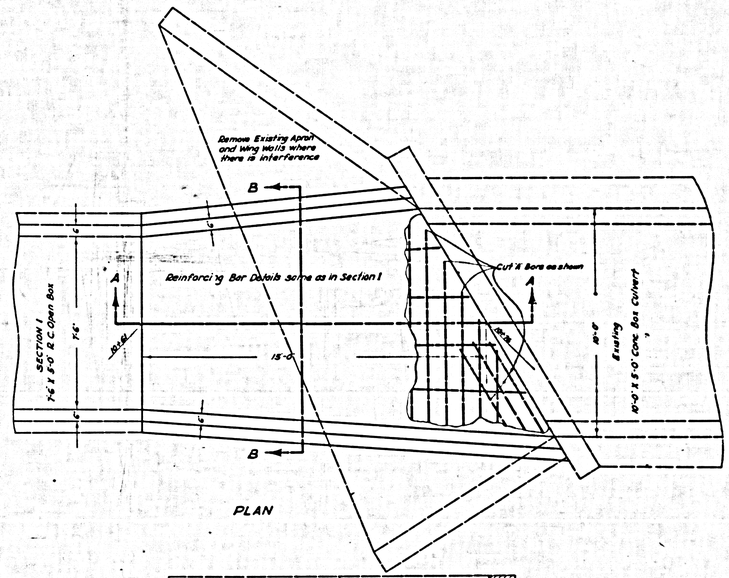


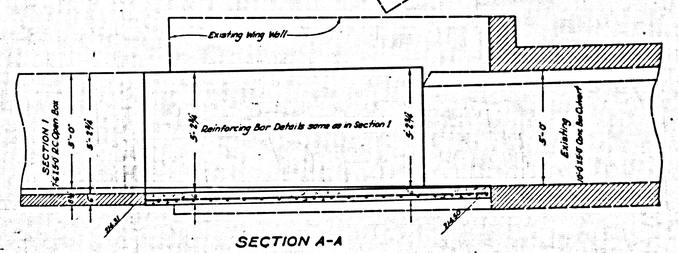


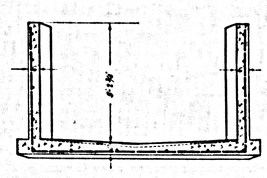
SPECIAL STRUCTURE No 3

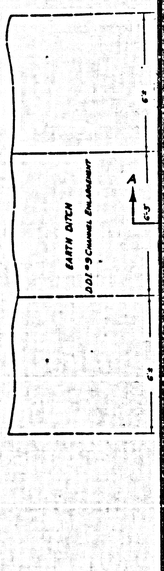
RUSSELL STREET LINE - STATION 11+02 TO STATION 11+17

SCALE: ½"=1'









SPECIAL STRUCTURE No 2

RUSSELL STREET LINE - STATION 10+61 TO STATION 10+76

SCALE: ½"=1'

CSB-1166-3

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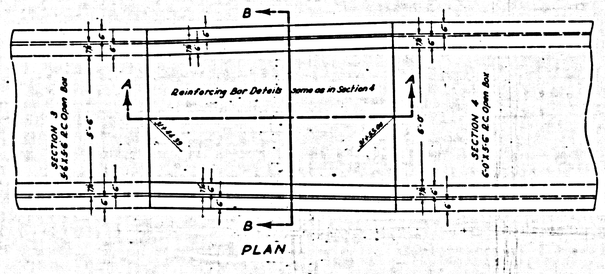
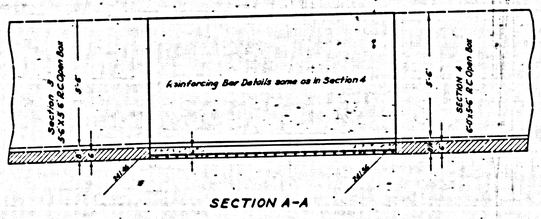
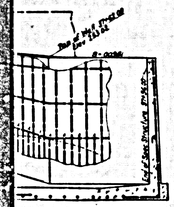
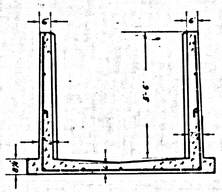




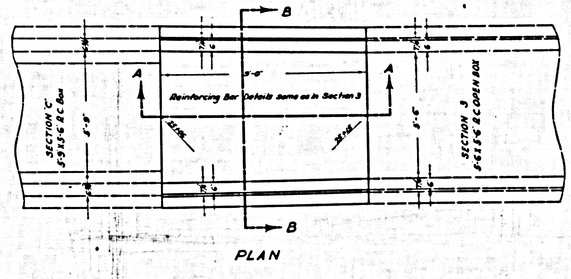


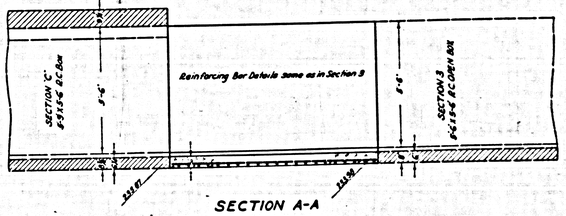


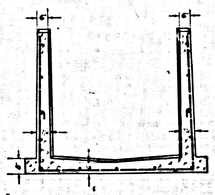
SPECIAL STRUCTURE Nº 5

RUSSELL STREET LINE - STATION 31+44.39 TO STATION 31+55

SCALE: ½"=1'



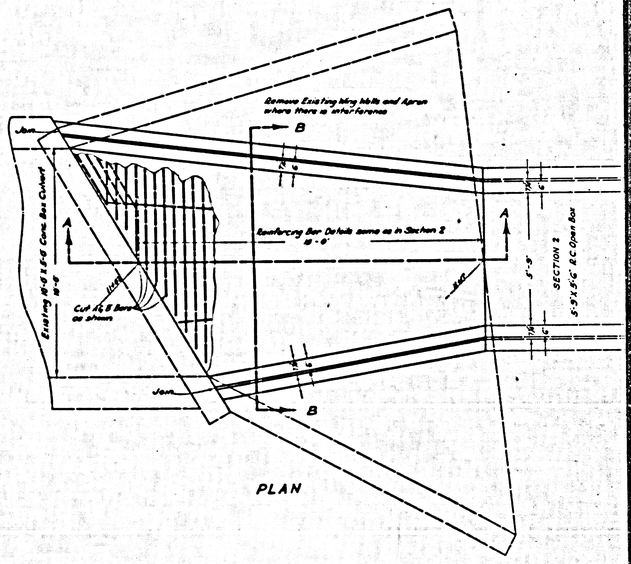


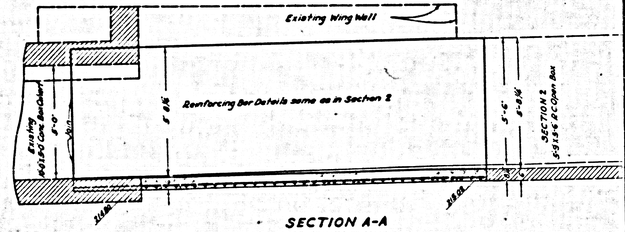


SPECIAL STRUCTURE Nº 4

RUSSELL STREET LINE - STATION 25+06 TO STATION 25+15

SCALE: ½"=1'



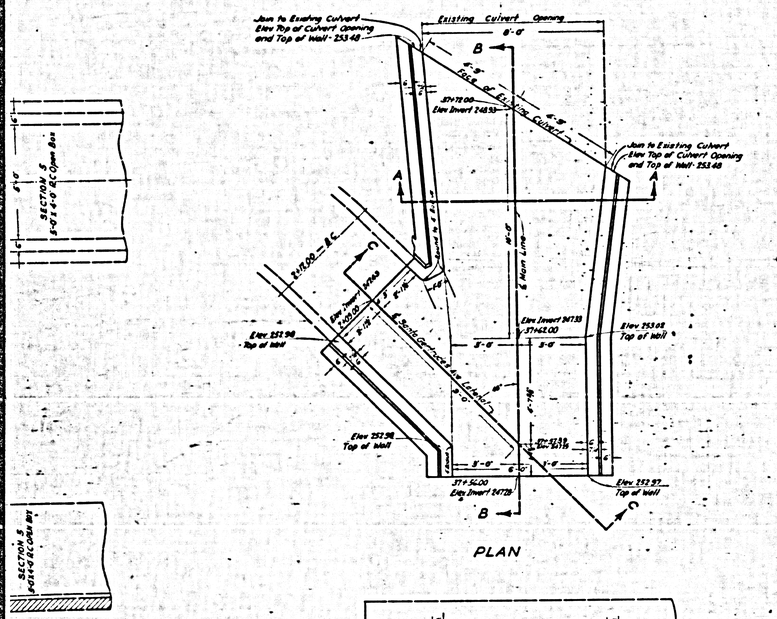


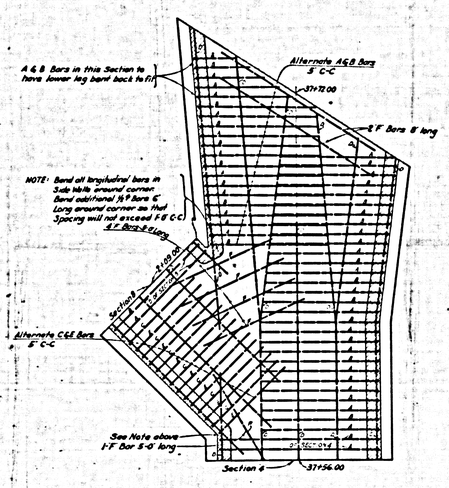
SPECIAL STRUCTURE Nº 3

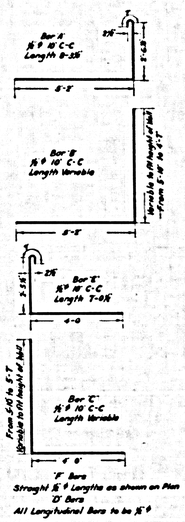
RUSSELL STREET LINE - STATION 11+02 TO STATION 11+17

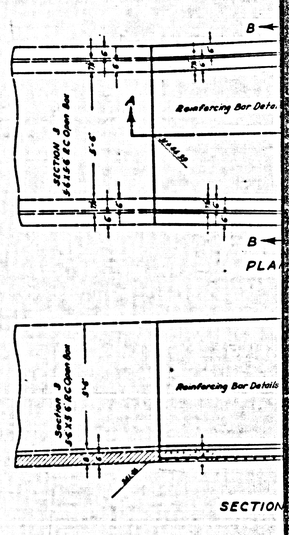
SCALE: ½"=1'

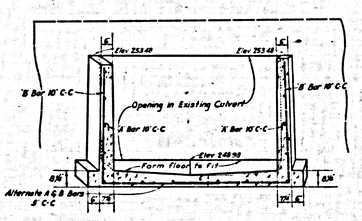
CSB-1166-3
A5 OF A9

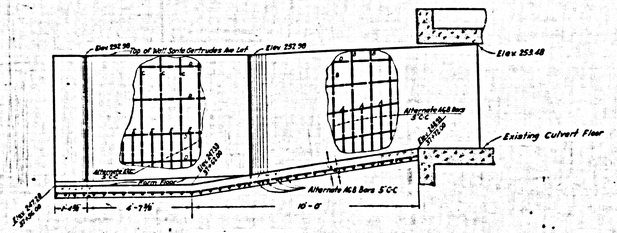


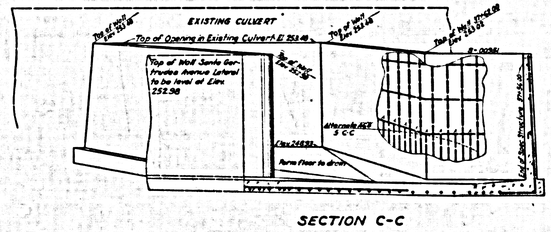


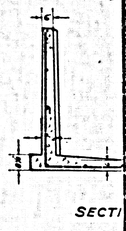












SPECIAL STRUCTURE No 6

JUNCTION OF RUSSELL STREET LINE "L" AND "O" SANTA GERTRUDES AVENUE LATERAL

SCALE: ½"=1'

SPECIAL STA

RUSSELL STREET LINE - STAT

SCAL

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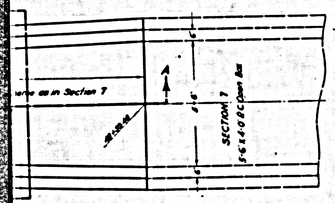
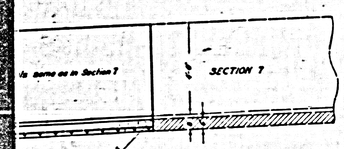
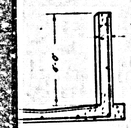
A6 OF A9



PLAN



...ION A-A

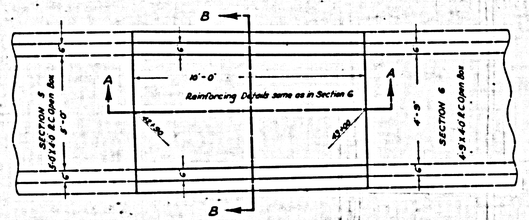


...TION B-B

...RUCTURE Nº 9

...STATION 48+29.40 TO STATION 48+39.40

...CALE: ½"=1'



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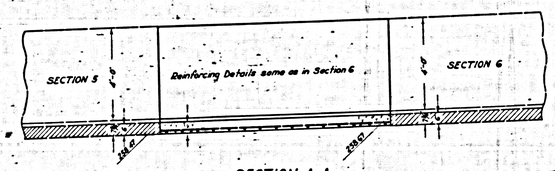
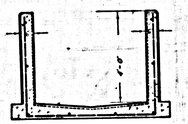


SECTION A-A

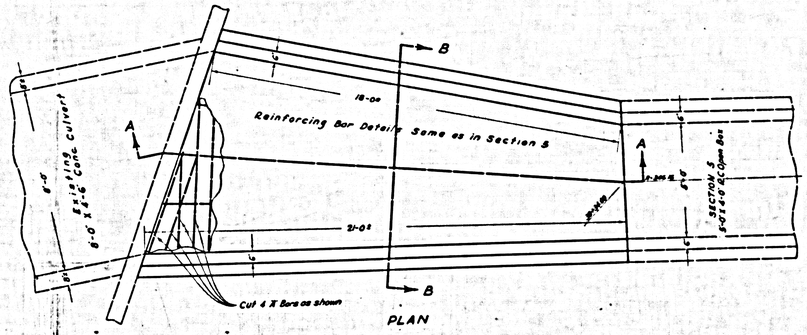


SECTION B-B

SPECIAL STRUCTURE Nº 8

RUSSELL STREET LINE - STATION 42+90 TO STATION 43+00

SCALE: ½"=1'



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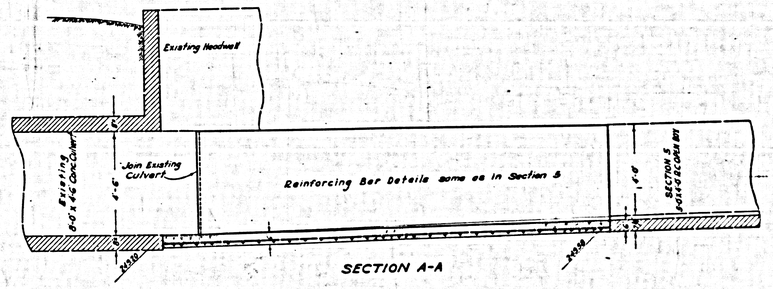
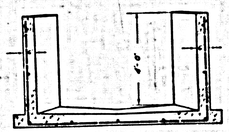


SECTION A-A

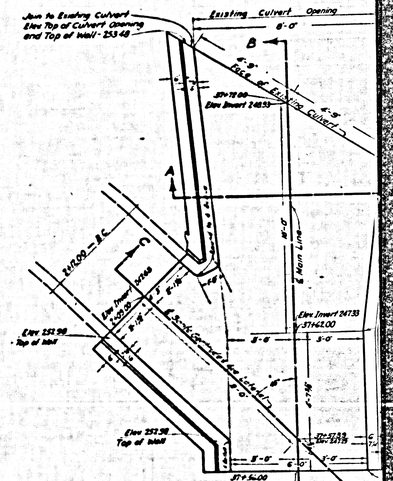


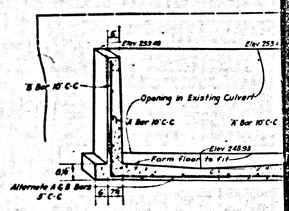
SECTION B-B

SPECIAL STRUCTURE Nº 7

RUSSELL STREET LINE - STATION 38+34 TO EXISTING CULVERT

SCALE: ½"=1'





SECTION A-A

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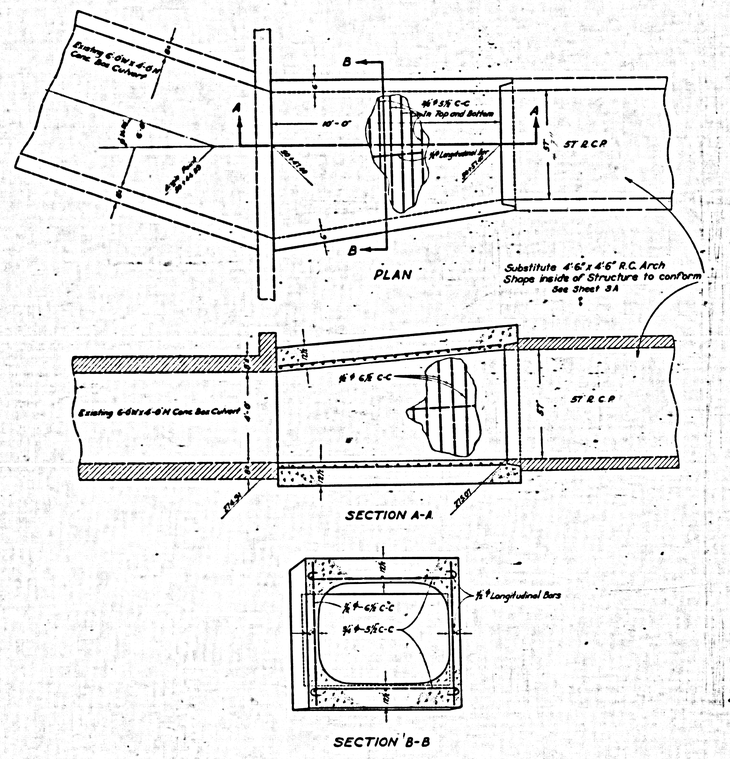
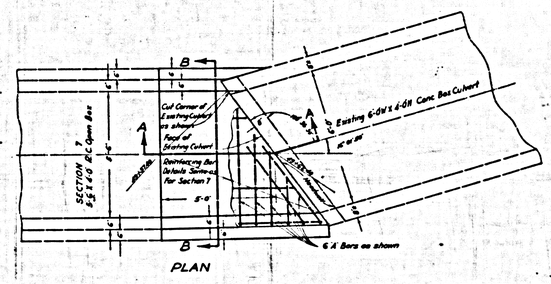
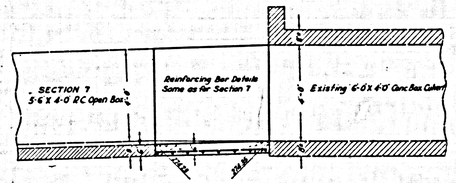


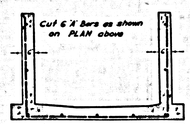
SPECIAL STRUCTURE Nº 11

RUSSELL STREET LINE - STATION 50+47.40 TO STATION 50+57.40

SCALE: ½"=1'





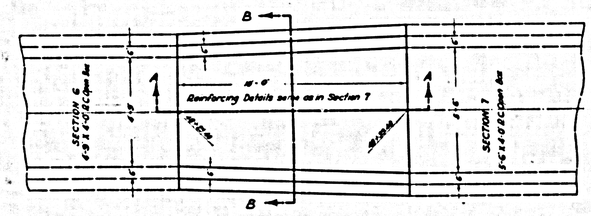


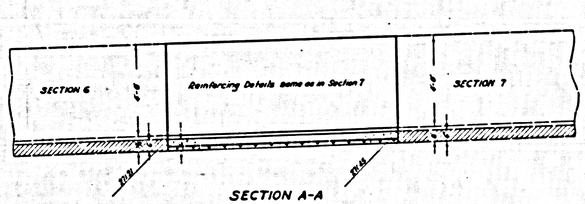
SPECIAL STRUCTURE Nº 10

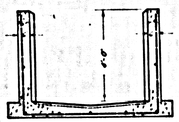
RUSSELL STREET LINE - STATION 49+57.40 TO STATION 49+62.40

SCALE: ½"=1'

Post from Here 7



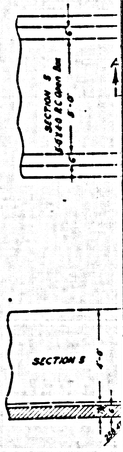




SPECIAL STRUCTURE Nº 9

RUSSELL STREET LINE - STATION 48+29.40 TO STATION 48+39.40

SCALE: ½"=1'



RUSSELL ST...

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A8 OF A9

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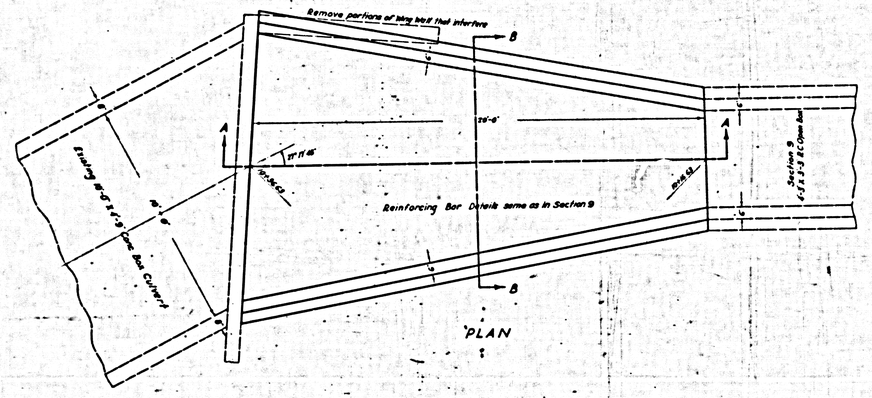
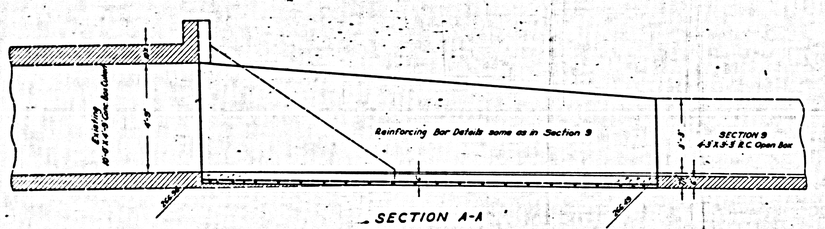
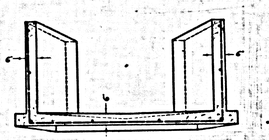


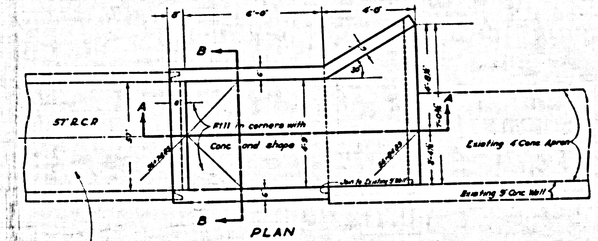


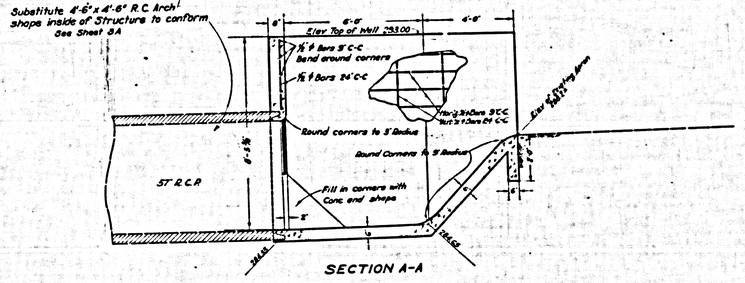


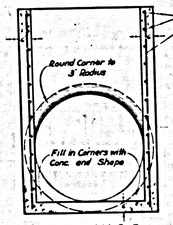
SPECIAL STRUCTURE No 13

SANTA GERTRUDES AVENUE LATERAL STATION 10+16.63 TO STATION 10+36.63

SCALE: 1/2"=1'



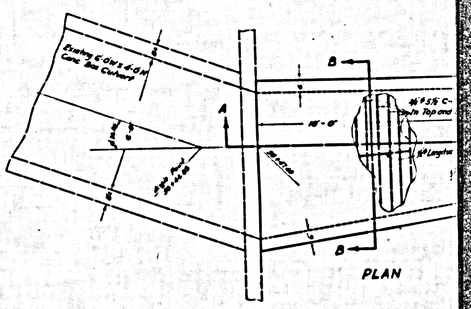


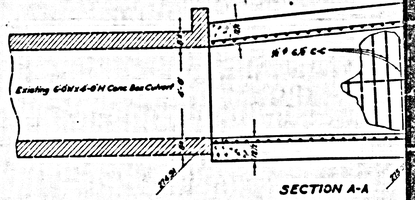


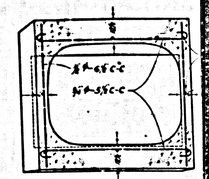
SPECIAL STRUCTURE No 12

RUSSELL STREET LINE - STATION 56+74.89 TO STATION 56+84.89

SCALE: 1/2"=1'







SPECIAL STRUCTURE No

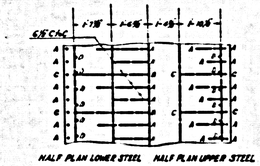
RUSSELL STREET LINE - STATION 50+47.40 TO S

SCALE: 1/2"=1'

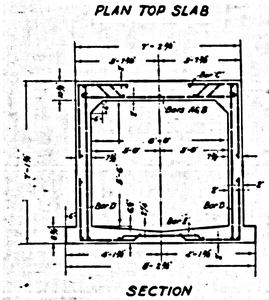
Print to Here

CSB-1166-3
A9 OF A9

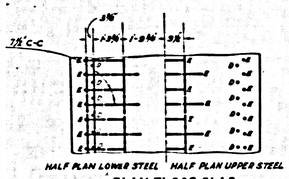
Trim Print to this Line



PLAN TOP SLAB

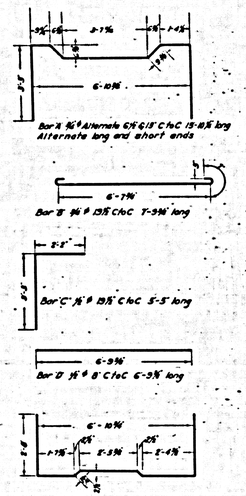


SECTION



PLAN FLOOR SLAB

Total Length 20 Ft
Class A-1 Concrete = 0.6382 Cu Yds per Ft
Reinforcing Steel 89.6339 pounds per Ft (on tangent)
Top Slab Cover 0.8 Total load 1518 pounds per Sq Ft
Dimensions to Reinforcing Steel refer to Center Lines



Bar A #6 @ Alternate 6'-6" & 6'-8" C to C 13'-10½" long
Alternate long and short ends

Bar B #6 @ 13½" C to C 7'-9½" long

Bar C #6 @ 13½" C to C 5'-5" long

Bar D #6 @ 8" C to C 6'-9½" long

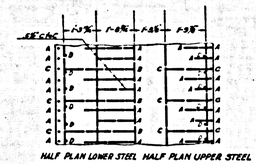
Bar E #6 @ 7½" C to C 12'-6½" long
Alternate long and short ends

Longitudinal steel 25 Bars #6

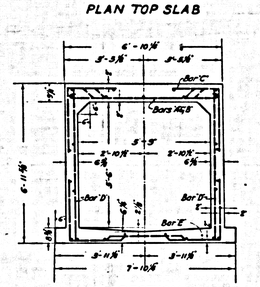
REINFORCED CONCRETE BOX 6'-0" x 5'-6"
SECTION "D"

RUSSELL STREET LINE STATION 32+19 TO STATION 32+39

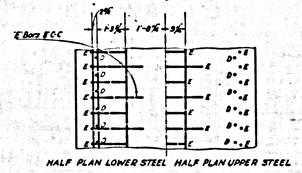
SCALE: ½" = 1'



PLAN TOP SLAB

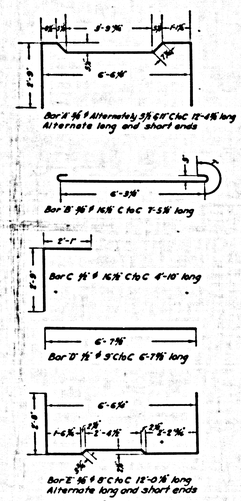


SECTION



PLAN FLOOR SLAB

Total Length 40 Ft.
Class A-1 Concrete 0.6105 Cu Yds per Ft.
Reinforcing Steel 77.1139 pounds per Ft (on tangent)
Top Slab Cover 1.5 to 2.5 Total load 1831 pounds per sq ft.
Dimensions to Reinforcing Steel refer to Center Lines



Bar A #6 @ Alternately 5'-11" & 6'-1" C to C 12'-4½" long
Alternate long and short ends

Bar B #6 @ 16½" C to C 7'-5½" long

Bar C #6 @ 16½" C to C 4'-10" long

Bar D #6 @ 9" C to C 6'-7½" long

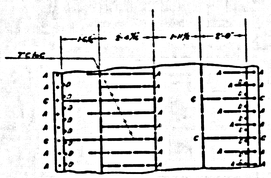
Bar E #6 @ 8" C to C 12'-0½" long
Alternate long and short ends

Longitudinal Steel 25 Bars #6

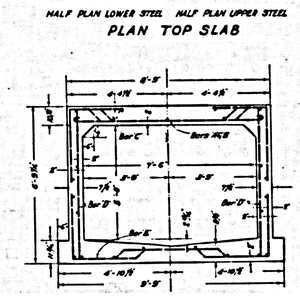
REINFORCED CONCRETE BOX 5'-9" x 5'-6"
SECTION "C"

RUSSELL STREET LINE STATION 18+80 24+86 TO STATION 19+00 25+06

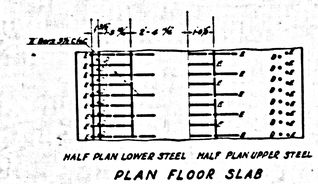
SCALE: ½" = 1'



PLAN TOP SLAB

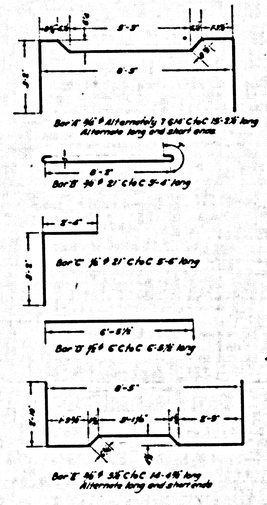


SECTION



PLAN FLOOR SLAB

Total Length 1400 Ft.
Class A-1 Concrete-0.8217 Cu Yds per Ft.
Reinforcing Steel 106.5998 pounds per Ft (on tangent)
Top Slab Cover 1.5 Total Load 1468 pounds per sq Ft
Dimensions to Reinforcing Steel refer to Center Lines



Bar A #6 @ Alternately 7 @ 6" C to C 15'-2½" long
Alternate long and short ends

Bar B #6 @ 21" C to C 5'-4" long

Bar C #6 @ 21" C to C 5'-6" long

Bar D #6 @ 6" C to C 6'-8½" long

Bar E #6 @ 5½" C to C 14'-6½" long
Alternate long and short ends

Longitudinal Steel 25 Bars #6

REINFORCED CONCRETE BOX 7'-6" x 5'-0"
SECTION "B"

RUSSELL STREET LINE STATION 9+87.05 TO STATION 10+01.05

SCALE: ½" = 1'

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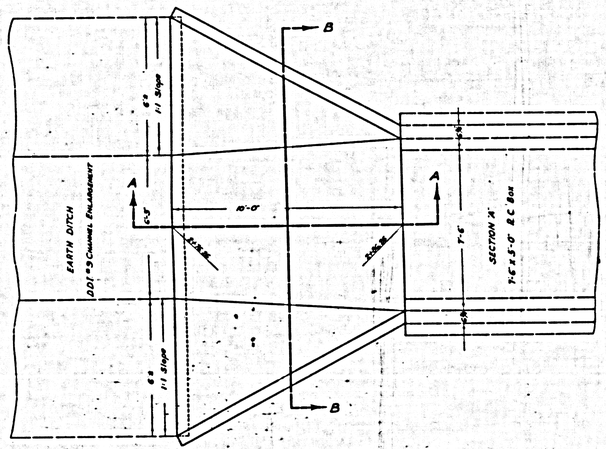
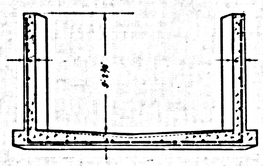
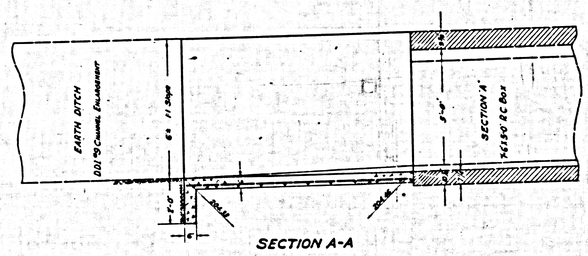
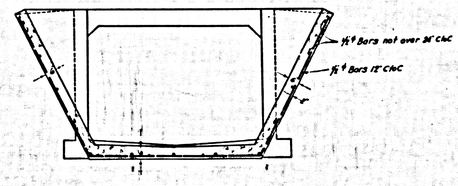
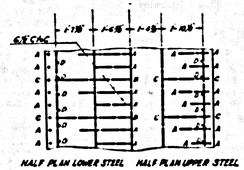


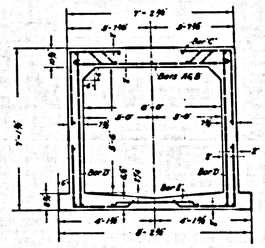


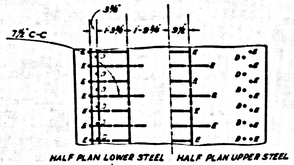




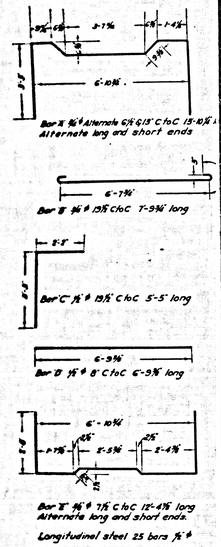


PLAN TOP SLAB





PLAN FLOOR SLAB



Total Length 20 Ft
Class A-1 Concrete = 0.6383 Cu Yds per Ft
Reinforcing Steel 80.6339 pounds per Ft (on tangent)
Top Slab Cover 0.5 Total load 1.518 pounds per Sq Ft
Dimensions to Reinforcing Steel refer to Center Lines

SPECIAL STRUCTURE No 1

RUSSELL STREET "A" LINE STATION 2+76.26 TO STATION 2+86.26

SCALE ½"=1'

REINFORCED CONCRETE BOX 6'-0" x 5'-6"
SECTION "D"

RUSSELL STREET "A" LINE STATION 32+19 TO STATION 32+

SCALE: ½"=1'

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